



PATENT APPLICATION  
Docket No.: 6647-003  
IDR-358

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Delos C. JENSEN and Stephen R. CARTER

Serial No.: 09/512,963

Examiner: Patrick Nestor EDOUARD

Filing Date: 2/25/2000

Group Art Unit: 2654

Title: CONSTRUCTION, MANIPULATION, AND COMPARISON OF A MULTI-DIMENSIONAL SEMANTIC-SPACE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

This Information Disclosure Statement is submitted:

☒ under 37 CFR 1.97 (b); or  
(Within three months of filing national application; or date of entry of International application; or before mailing date of first office action on the merits; whichever occurs last)

☐ under 37 CFR 1.97 (c) together with either a:  
☐ Statement under 37 CFR 1.97 (e), or  
☐ a \$180 fee under 37 CFR 1.17 (p); or  
(After mailing of first Office Action, but prior to Notice of Allowance or Final Office Action)

☐ under 37 CFR 1.97 (d) together with:  
☐ Statement under 37 CFR 1.97 (e), and  
☐ a \$180.00 fee set forth in 37 CFR 1.17 (p).

(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

☒ Applicant(s) submit herewith Form PTO 1449 Information Disclosure Citation together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

It is requested that the information disclosed herein be made of record in this application.

Any deficiency or overpayment should be charged or credited to deposit account number 13-1703.

Respectfully Submitted,  
MARGER, JOHNSON & McCOLLOM

*Ariel S. Rogson*  
Ariel S. Rogson  
Reg. No. 43,054

MARGER JOHNSON & McCOLLOM, P.C.  
1030 SW Morrison Street  
Portland, OR 97205  
503-222-3613  
Customer No. 45842

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313  
Date: January 20, 2005  
*Marissa Thomas*  
Marissa Thomas



Inventor(s): Delos C. JENSEN and Stephen R. CARTER

Serial No.: 09/512,963

Examiner:

Patrick Nestor EDOUARD

Filing Date: 2/25/2000

Group Art Unit: 2654

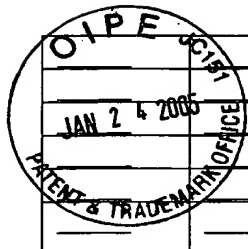
Title: CONSTRUCTION, MANIPULATION, AND COMPARISON OF A MULTI-DIMENSIONAL SEMANTIC SPACE

**INFORMATION DISCLOSURE STATEMENT**

PTO-1449

**U.S. PATENT DOCUMENTS**

<b><u>Exam Init</u></b>	<b><u>Ref</u></b>	<b><u>Document Number</u></b>	<b><u>Issue Date</u></b>	<b><u>Name</u></b>	<b><u>Class</u></b>	<b><u>Sub Class</u></b>
		5,276,677	1/04/94	Ramamurthy et al.	370	60
		5,317,507	5/31/94	Gallant	364	419.13
		5,325,298	6/28/94	Gallant	364	419.19
		5,539,841	7/23/96	Huttenlocher et al.	382	218
		5,551,049	8/27/96	Kaplan et al.	707	532
		5,619,709	4/08/97	Caid et al.	395	794
		5,675,819	10/07/97	Schuetze	704	10
		5,694,523	12/02/97	Wical	395	12
		5,696,962	12/09/97	Kupiec	395	604
		5,708,825	1/13/98	Sotomayor	395	762
		5,721,897	2/24/98	Rubinstein	707	2
		5,778,362	7/07/98	Deerwester	707	5
		5,778,378	7/07/98	Rubin	707	103
		5,778,397	7/07/98	Kupiec et al.	707	500
		5,794,178	8/11/98	Caid et al.	704	9
		5,799,276	8/25/98	Komissarchik et al.	704	251
		5,822,731	10/13/98	Schultz	704	256
		5,867,799	2/02/99	Lang et al.	707	1
		5,873,056	2/16/99	Liddy et al.	704	9
		5,934,910	8/10/99	Ho et al.	434	362
		5,940,821	8/17/99	Wical	707	3
		5,963,965	10/05/99	Vogel	707	501.1
		5,966,686	10/12/99	Heidorn et al.	704	9
		5,970,490	10/19/99	Morgenstern	707	10
		5,974,412	10/26/99	Hazlehurst et al.	707	3
		5,991,713	11/23/99	Unger et al.	704	9
		6,009,418	12/28/99	Cooper	706	15
		6,078,953	6/20/00	Vaid et al.	709	223
		6,108,619	8/22/00	Carter et al.	704	9
		6,173,261	1/09/01	Arai et al.	704	257
		6,205,456	3/20/01	Nakao	707	531
		6,289,353	9/11/01	Hazlehurst et al.	707	102
		6,311,194	10/30/01	Sheth et al.	707	505
		6,317,708	11/13/01	Witbrock et al.	704	9
		6,317,709	11/13/01	Witbrock et al.	704	225
		6,356,864	3/12/02	Foltz et al.	704	1



	6,459,809	10/01/02	Jensen et al.	382	203
	6,470,307	10/22/02	Turney	704	9
	6,523,026	2/18/03	Gillis	707	3
	6,513,031	1/28/03	Fries et al.	707	3
	6,615,208	9/02/03	Behrens et al.	707	5
	6,675,159	1/06/04	Lin et al.	707	3

### FOREIGN PATENT DOCUMENTS

Exam Init	Ref	Document Number	Publication Date	Country	Name

### OTHER DOCUMENTS

Exam Init	Ref	Author, Title, Date, Pertinent Pages, Etc.)
		Bartell, et al., " <u>Latent Semantic Indexing is an Optimal Special Case of Multidimensional Scaling</u> ," <i>Dept. of Computer Science &amp; Engineering, University of California, San Diego</i> , 1992, 7 pages.
		Chomsky, " <u>Language and Thought</u> ," 1993, pgs. 18-19, 22-27, 44-45, 60-61.
		Chomsky, " <u>The Minimalist Program</u> ," 1995, pgs. 13-65.
		Cook et al., " <u>Chomsky's Universal Grammar – An Introduction</u> ," 1988, pgs. 40-74, 131-272.
		Culler, " <u>Ferdinand de Saussure – Revised Edition</u> ," 1986 pgs. 38-57
		Eco et al., " <u>Meaning and Mental Representations</u> ," 1988, pg. 221.
		Eco, " <u>Semiotics and the Philosophy of Language</u> ," 1984, pg. 46-86.
		Edwards, " <u>Functional Analysis: theory and applications</u> ," 1965, pgs. 10-13, 32-33, 50-53, 62-65, 88-103, 174-203, 224-233.
		Halmos, " <u>Naïve Set Theory</u> ," Undergraduate Texts in Mathematics, 1968, pgs. 56-57, 66-69.
		Hocking, " <u>Topology</u> ," 1961, pgs. 6-7, 56-59, 68-71.
		Hutson, " <u>Applications of Functional Analysis and Operator Theory</u> ," 1980, index, preface, and Table of Contents.
		Kahn, " <u>Topology: An Introduction to the Point-Set and Algebraic Areas</u> ," 1975, pgs. 10-15.
		Khare et al., " <u>Capturing the State of Distributed Systems with XML</u> ," 10/26/97, pgs. 1-12.
		Lundquist et al., " <u>Improving Relevance Feedback in the Vector Space Model</u> ," 1997, pgs 16-23.
		Mostafa et al., " <u>A Multilevel Approach to Intelligent Information Filtering: Model, System, and Evaluation</u> ," <i>ACM Transactions on Information Systems</i> , Vol. 15, No. 4, 10/97, pgs. 368-399.
		Pesetsky, " <u>Zero Syntax: experiencers and cascades</u> ," 1995, pgs. 1-122.
		Pejtersen, " <u>Semantic Information Retrieval</u> ," <i>Communications of the ACM</i> , Vol. 41, No. 5, 4/98, pgs. 90-92.
		" <u>Platform for Internet Content Selection (PICS)</u> ," <a href="http://www.w3.org">http://www.w3.org</a> , pgs. 1-8.
		Singh, " <u>Unifying Heterogeneous Information Models</u> ," <i>Tesserae Information Systems, Inc.</i> , <a href="http://citeseer.ist.psu.edu.com">http://citeseer.ist.psu.edu.com</a> , pgs. 1-13
		Smith, " <u>Computers and human language</u> ," 1991, pgs. 205-257.
		" <u>WordNet – a lexical database for the English language</u> ," <i>Cognitive Science Laboratory, Princeton University</i> , <a href="http://www.cogsci.princeton.edu">www.cogsci.princeton.edu</a> , 2 pgs.

Examiner: \_\_\_\_\_

Date Considered: \_\_\_\_\_